



O.

BIS

Soc
Kn

Psalm - Hymns
ᐱᐣᐣ"ᐱᐱ. ᓂᓃᐱ

Psalms and Hymns

IN THE LANGUAGE

OF THE

CREE INDIANS

OF NORTH-WEST AMERICA.

COMPILED BY THE

REV. J. A. MACKAY,

C.M.S. MISSIONARY.

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1877.

NW
970.851
M15.3

ALPHABET.

INITIALS.	SYLLABLES.	FINALS.
	ā e o a	.
a	▽ △ ▷ ◁	◦ ow
w	▽. △. ▷. ◁.	X Christ
p	∨ ∧ > <	' p
t	U ∩ ⊃ ⊂	' t
k	q ρ δ b	` k
ch	γ ρ J l	- h
m	⌈ ⌊ ⌋ ⌌	ˆ m
n	⊖ σ ϖ ϗ	˘ n
s	γ ρ ρ ρ	˘ s
y	⌵ ⌶ ⌷ ⌸	˘ r
		˘ l

The dot over any syllable lengthens the vowel sound.

σβΔ· Λ'ε"Δβ'



1. 9P4< σβΔ'

1 δ'δ'β ∇β·σ' Δ'ι'x
P' Δ'η'9Δ· ∇Πε
<PΠε P'ΠΠΓΔ·
9P4< Δ'ε'Γ'Δ'

2 ĊV· P εē'δΓΠ'
β P' βε∇·PΓε
Λ(σ P' Δ·σ'β'ε'
Λ'ΠΠΔ·σx Δ'

187615

3 ▷ ḅ ḤVḥ"ṙḡḥ
 ▽·Λ_ḡ σ Lṙ"ṚΔ.
 σ' Δ"Ḳ"ḏ^x <ṙḤḡ
 Γ< Γ)ḥḥ"ṙḥ

4 ▷ḡḥ"Ḳ ḅ ṙḥḅ
 ḡ ḡ(Ḳ ḡ ΔU.Ḳ
 Δḥḏ^x ▽ ḅṙ"ḲḲ
 ṙḲ Δ.["] ḅḡ. ḡ(Ḳ

5 LΓ"ṙΓ^x ṙḡLḡ
 (") Δṙ^x ḅ ΔḲḡ
 ṙḲΔ.^o Γ_ḡ ΔṙΛΓ^x
 LΓ"ṙΓ^x ṙḡLḡ

2. ḡṙḡḲ σḅḲ

1 ṙ ṙ" ḅḡ ▽·ḥΓḡ
 ▽ ḡḅ. ḤΛḥ

3. 𐤔𐤕𐤓𐤕 𐤔𐤁𐤒

1 𐤕𐤕. 𐤓 𐤔𐤕𐤓𐤕𐤕
𐤕 𐤓" 𐤕.𐤕𐤕𐤕𐤕.𐤕
𐤕𐤕. 𐤕"𐤕𐤕.𐤕
𐤕𐤕𐤕𐤕 𐤕𐤕𐤕.𐤕𐤕

2 𐤔 𐤕.𐤔)(𐤕𐤕.𐤕
𐤕"𐤕𐤕 𐤕𐤕𐤕𐤕.𐤕
𐤕𐤕 𐤕𐤕𐤕𐤕(𐤕
𐤕 𐤕𐤕 𐤕"𐤕𐤕𐤕.𐤕

3 𐤕𐤕 𐤕𐤕𐤕"𐤕𐤕.𐤕
𐤕 𐤕𐤕 𐤕𐤕𐤕𐤕.𐤕
𐤕𐤕 𐤕𐤕 𐤕 𐤕𐤕(𐤕
𐤕𐤕.𐤕 𐤕𐤕𐤕(𐤕𐤕

4 𐤕 𐤕' 𐤕"𐤕^x 𐤕𐤕𐤕.𐤕𐤕
𐤕𐤕 𐤓" 𐤕𐤕 𐤕𐤕𐤕.𐤕

(7)

፲፱ ዓ ልብሰብሰብ

የር ፲፱ ልብሰብሰብ

5 ልብ ልብሰብሰብ

ዓለሉ ልብሰብሰብ

ለፈ ዓፄ: ል ፲፱

የር ፲፱ ልብሰብሰብ

6 ል፲፱፲፱ ልብሰብሰብ

፲፱ ልብ ልብሰብሰብ

፲፱ ልብሰብሰብ ልብሰብሰብ

፲፱ ልብ ልብሰብሰብ

4. ልብሰብሰብ ልብሰብሰብ

1 የሉ ልብሰብሰብ ልብሰብሰብ

ልብ ልብሰብሰብ ልብሰብሰብ

ልብሰብሰብ ልብ ልብሰብሰብ

ልብ ልብሰብሰብ ልብሰብሰብ

2 $\Delta \cap \mathcal{P}^{\text{II}}(\mathcal{B}) \cdot \Gamma \cdot \mathcal{B}$
 $\Delta \cap \sigma \in \Delta \cdot \mathcal{P}^{\text{II}}(\mathcal{B})$
 $\nabla \Delta \cap \Gamma \cdot \mathcal{P}^{\text{II}}(\mathcal{B}) \cdot x$
 $\rho \in \Delta \cdot \mathcal{P}^{\text{II}}(\mathcal{B}) \cdot \Delta \cdot \mathcal{B}$

8 $\Delta \cdot \gamma \Delta \cdot \dot{\alpha} \nabla \rho \dot{\gamma} \dot{\delta}$
 $\rho \dot{\gamma} \dot{\delta} \wedge \dot{\Gamma} \rho \dot{\Gamma} \Delta \dot{\gamma}^x$
 $\Delta \cdot \gamma \Delta \cdot \dot{\alpha} \nabla \cap \wedge \dot{\gamma} \dot{\delta}$
 $\rho \dot{\gamma} \dot{\delta} \triangleleft \dot{\gamma} \nabla \dot{\gamma} \dot{\delta}^x$

4 ሲሆን ለሌሎችም
 ለጥቅም ሆኖ ሊገለጽ ይችላል።
 ለሌሎችም ሆኖ ሊገለጽ ይችላል።
 ለጥቅም ሆኖ ሊገለጽ ይችላል።

5. $\Delta \dot{c}_r$ σb_{\perp}

1 p p'' b_a ∇ · ∇ Γ a₂
 Δ L b p'' p r b₁

(9)

Γα βα ∇. ρ Γ α '

∇ < ∇ α " Δ ρ α ^x

ρ ϣ β ∆ ρ " Δ ϣ ^x

ρ Δ. ϣ ρ " Δ ∇ α '

2 Δ ϣ σ ∆ ϣ ϣ " Δ α '

γ β. < ϣ ∆ ϣ Δ. σ ^x

β " ϣ ∆ ρ " Δ α '

∇' ∆ ϣ ϣ ϣ ^x

σ ∆ Δ. ϣ Δ ∇ " ∆ ϣ "

ρ ϣ ρ " Δ. γ Δ. ϣ ^x

—

6. Δ ϣ ϣ σ β ϣ

1 Δ. γ Δ. ϣ ϣ ϣ β Δ ϣ ϣ

< ∇ ∇ ∆ ϣ β ϣ ϣ Δ. γ Δ. ϣ

Δ ϣ ∆ ϣ β α β ϣ ∇.

σ ϣ ∆ ϣ ϣ ∇ Δ. γ Δ. ϣ

2 $\Gamma^{\circ} \Gamma^{\circ} \sigma \wedge \Gamma^{\circ} \Gamma^{\circ} \Delta^{\circ}$
 $\Gamma^{\circ} \Delta^{\circ} \Gamma^{\circ} \Gamma^{\circ} \Delta^{\circ}$
 $\Delta^{\circ} \Gamma^{\circ} \Delta^{\circ} \Gamma^{\circ} \Gamma^{\circ} \Delta^{\circ}$
 $\Delta^{\circ} \Gamma^{\circ} \Delta^{\circ} \Gamma^{\circ} \Delta^{\circ}$

8 ሀሳብ ምስ ምስጢር
 ልዩ ምስ ህግ ልዩ
 ምስ ልዩ ምስ ልዩ
 ልዩ ምስ ልዩ

4 C"p Ad PC Δ.γΔ.ζ
Pζ ð ðd"Δ' Lr Δζ
Δ▽.α dC' q. p" Δ.ρ"Δ'
Ad ΔC ρζ^c v Δ.γΔ.ζ

5 $\Delta^{\neg b} \cdot \dot{\rightarrow} \sigma^x < \dot{\rightarrow} b \cdot \wedge \dot{\rightarrow} \neg$
 $\rho \dot{\rightarrow} \dot{\rightarrow} \rho'' \sigma > \neg (L \Delta \cdot \dot{\rightarrow})$
 $(\Delta \cdot \text{a} L \Delta \cdot \dot{\rightarrow}) \wedge \dot{\rightarrow} \cap \dot{\rightarrow} \Delta \cdot \dot{\rightarrow}$
 $\sigma > \Delta \cdot \sigma^x \vee \dot{\rightarrow} > \Delta \cdot \eta \Delta \cdot \dot{\rightarrow}$

(11)

7. σbJ'p

- 1 qbaΔ·<"CL·P
ΔC b p" p'c'·n"
σ' Δγb' (") qb:
ΔpΔ·σ' ΔUΔ"U"
- 2 αL qb: σ LΓr'
X Λd b ΛLr"Δ'
(") b p h'p"ζ'
σ b <PNaLΔ·o
- 3 p' Δ γNb·σ^x Δ p"p^x
p" Δ"ζ' bΔ·σp°
Δ Γ"δ ▽ <γp'zq'
▽^Λ"r pγΔ·n'z'
- 4 b"p° qb: Δζ'z'
<PNaLΔ·Lb

(12)

bc 𐤁𐤌𐤕𐤕𐤕𐤕
𐤁𐤌𐤕𐤕𐤕𐤕𐤕

8. 𐤁𐤌𐤕𐤕

1 𐤁𐤌 𐤁𐤌 𐤁𐤌𐤕𐤕 𐤁𐤌
𐤁𐤌𐤕𐤕𐤕𐤕𐤕𐤕𐤕𐤕
𐤁𐤌 𐤁𐤌𐤕𐤕𐤕𐤕𐤕𐤕𐤕𐤕
𐤁𐤌 𐤁𐤌𐤕𐤕𐤕𐤕𐤕𐤕𐤕𐤕𐤕

2 𐤁𐤌 𐤁𐤌 𐤁𐤌 𐤁𐤌𐤕𐤕
𐤁𐤌𐤕𐤕𐤕𐤕𐤕𐤕𐤕𐤕𐤕𐤕
𐤁𐤌 𐤁𐤌𐤕𐤕𐤕𐤕𐤕𐤕𐤕𐤕
𐤁𐤌𐤕𐤕𐤕𐤕𐤕𐤕𐤕𐤕𐤕

3 𐤁𐤌 𐤁𐤌𐤕𐤕𐤕𐤕𐤕𐤕𐤕𐤕
𐤁𐤌 𐤁𐤌𐤕𐤕𐤕𐤕𐤕𐤕𐤕𐤕
𐤁𐤌 𐤁𐤌𐤕𐤕𐤕𐤕𐤕𐤕𐤕𐤕
𐤁𐤌 𐤁𐤌𐤕𐤕𐤕𐤕𐤕𐤕𐤕𐤕

9. σ_{bL}

- 1000

(14)

$\nabla \dot{L} \Gamma \Delta \cdot \sigma \dot{L}$

$\dot{b} \rho'' \Delta \cdot \sigma$

5 $\dot{L} b \Delta \cdot \sigma \sigma b$

$\rho'' \Delta \cdot \sigma \dot{L}$

$\nabla b \cdot \sigma \Delta \cdot \sigma$

$\Delta \rho'' \Delta \cdot \sigma$

10. $\sigma b \dot{L}$

1 $\Delta \cdot \sigma \Delta \cdot \sigma$

$\Delta \cdot \sigma \Delta \cdot \sigma$

$\Delta \cdot \sigma \Delta \cdot \sigma$

$\dot{b} \rho \dot{b} \Delta \cdot \sigma$

2 $\dot{L} b \rho \dot{L}$

$\Delta \cdot \sigma \Delta \cdot \sigma$

$\Delta \cdot \sigma \Delta \cdot \sigma$

$\dot{b} \rho \dot{b} \Delta \cdot \sigma$

3

PC $\triangleright \cap''CL^x$

DL ρ^{III} Δ.Δ.

▽̇ ▽̇ · < ̂ ·

4. $\Delta_{\text{b}}^{\text{H}} \rho' \Delta \eta_{\text{b}}^{\text{b}}$

$\rho \lesssim \Delta \cdot \langle U_{\text{eff}} \rangle$

לְבַח הַחַיִּים

6 Dn"Uöo

5 $\Delta_{b''} \Delta \cdot \sigma \cap \Lambda^{\sim} \dot{b}_0$

96: 96.

יב ויח"ב

$$\Delta C_{PC} \triangleq \dot{C}^x$$

6 ΔC 9 Δ·<L 5^x

$\rho \rightarrow \sigma \rightarrow \Gamma a^\circ$

$\triangleright \triangleleft \cdot \gamma \zeta \rho \Delta \cdot \sigma^x$

(74.7 J)^x

(16)

11. σβJ

- 1 ργL) Δ' Δ''β''β.
9 Δ. ρ''ΔδL^x
ρC ρ'' σρ')''(L^x
Γ< Δ'ρJΔ.β
- 2 Δ^ΛΓ^x 9 Δ''ΠαL^x
DL ρ''ρ Δ'.ρUο
Γα ρ''ρ Δ'ρJΔ.β
9 Δ'.ρUαL^x
- 3 β ρ''ρ.δ''ΔLδL^x
ρC ρ<''βL^x
Γα ∇β Lρ''ΠΔ.β
ρC Δ''')(L^x
- 4 DL β ρ'' ∇C.δL^x
Γ< Δρ''C.Δ.β

6 p" p" C L d L x

▷ΛĹŕ"Δ▽,ο

5 ▷ 9⁷p₆"ΔL950

60. $\Delta \cdot \angle \alpha$

$\rho' \triangleleft \gamma \Delta \cdot \gamma \sigma$

$$r \sigma_{\mu\nu} \gamma^{\mu} \gamma^{\nu} \dot{L}^{\mu}$$

12. σ - π

$$1 \quad \dot{c} \nabla \cdot \nabla \rho'' \dot{\zeta} \rho'' \Delta \zeta^x$$

רל"ב פ"ב ד"ר ש"א'

$$\dot{L}'' \cap \nabla b \cdot p \cup \Delta \dot{a}^x$$

▷"r σb┘(Δ.Δ\

2 $\dot{C}V \cdot P^{II} \Delta \cdot L P^{\circ} C \dot{\Delta} \cdot o$

6" 50 9 50 10 50

$\nabla \Delta \cdot \wedge \dot{L} \rho \Delta \delta \chi$

LiNH₂Δ·σ^x▷¹¹r

- 3 ρ ρ" (Δ.α.Ḳ.α.α.
 ρ"ῖ ρῖδ Δ"Ḳ.Ḳ.Ḳ.
 Ḳρρ Γα Ḳρρ
 ΛΓ"ῖΓδΔ.ῖ Δῖ.
4 ḲV. ρ" Δ.Ḳρ"Ḳ X
 ▽ Δ.Ḳ ḲḲῖḲ' Δ"ρ
 Ḳ"Ḳ ḲḲ ▽Ḳ. ḲV.
 ΛΓ"ῖḲḲ Ḳρρ

13. σḲḲ

- 1 ḲḲḲḲḲ Δ"ḲḲḲ
 Ḳ ΓḲ.Ḳ"ḲḲ.
 ΓḲḲḲḲḲ
 ḲḲḲḲḲ σ ḲḲ
 αL σ ρḲḲḲḲ
 ΓḲ.ḲḲΔ.α

Γα ρῖῖῖΔ.Δ.ῖ
ῖ Δ.ῖῖῖῖῖῖ

2 σ<Δ.Δ.ῖ ῖῖσ^x
▽ ασβῖῖ
Δ.ῖῖῖῖῖῖ ῖῖῖῖῖ
Δῖῖῖῖῖῖ
ῖ ῖῖῖῖῖῖ
ῖῖῖῖῖῖ
Δῖ ΔῖῖῖΔ.σΔ.Δ.
ῖῖῖῖῖῖῖῖ

3 ▽ῖῖ αῖῖΔ.ῖ
ῖῖ : Δ.ῖῖῖῖῖῖ
ῖῖῖῖῖῖ σβῖῖΔ.ῖ
ῖῖ. ῖῖῖῖῖῖ^x
ῖῖ) ῖ ῖῖῖῖῖῖ
▽ῖῖ ῖῖῖ

▽b. ◊.Λ[~]ρ^{||}▷◊.[^]
 Γ<.ρ[~]⊂Δ.σ^x

14. σb⊂Δ.[~]

- 1 σ ◊.Γ^{||}Δ)◊[~]
 ρ Δ.^{||}◊Δ.σ^x ρ[~]
 ∨ Δ)^{||}U ◊◊.ρ^x
 (◊d^{||}▷ρ[~] ▷(
 - 2 Γρ◊[~] σ U^{||}Δ◊^x
 ∨ρ^{||}(ρρ[~]⊂Δ.[~]
 b◊.ρ^{||}(LΔ.◊[~]
 bρρ (◊.ρ[~]Uρ
 - 3 ρ[~]◊ Δ(ρΓ◊[~]
 ρ(ρ^{||} ◊ρ[~]b◊^x
 LL^{||}◊d[~]Δ.σ^x
 Lσ) ◊.ρ[~]UΔ.σ^x
-

15. σbJ

- 1 ḏ.ḥ ḡḡḡḡḡ
 ḡḡσ^x ḡḡḡḡ
 ḡḡḡḡ ḡḡḡḡḡḡḡḡ
 ḡḡ ḡḡḡḡḡḡḡḡ
- 2 ḡḡḡḡḡḡḡḡ
 ḡ ḡḡḡḡḡḡḡḡ
 ḡḡḡ ḡḡḡḡḡḡḡ ḡḡḡ
 ḡḡḡḡḡ^x ḡḡḡ
- 3 ḡḡḡḡḡḡḡḡḡḡ
 ḡḡ ḡḡḡḡḡḡḡḡ
 ḡ ḡḡḡḡḡḡḡḡḡḡ
 ḡḡḡḡḡḡḡḡḡḡḡḡḡḡḡ
- 4 ḡḡḡḡḡḡḡḡḡḡḡḡḡḡḡ
 ḡ ḡḡḡḡḡḡḡḡḡḡḡḡḡḡḡ

▽ Δ·<"CJLb"p
Δ·U° ΔC ▽Δ·

5 Lσ) Δd"°
▷ L"bΔ·rΔ·
ΓΔ b"p° ΔΔ·
▽ Δ· ΔLr"Δ·

16. σbJ

1 İLΔ· p"r"p"i"i"
r"r ▷ Δ·"ΔΔ·
bq: p"U"p"i"i"Δ^x
b nV"p"r"q

2 Δσp vLr"i"Δ"i"
Δ"q"i"ΔL)Δ·
p"r σbJ"r"Δ·r"
UV"p"r"Δ"r"

3 ρⲗⲁⲓⲟ ⲁⲓⲣⲁ ⲛⲗⲁⲓ

 ⲕⲛⲟⲩⲁⲩⲁⲓ

 ⲣ ⲣⲓ ⲕⲗⲓⲣⲓⲁⲁⲁⲓⲟ

 ⲃ ⲛⲕⲁⲓⲣⲓⲣⲓ

4 ρⲗⲁⲓⲟ ⲃ ⲁⲩⲁⲓ

 ⲁⲓ ⲁⲗⲁⲓⲁⲓⲁⲓ

 ⲕⲗⲓ ⲣⲓⲕⲁⲓⲣⲁⲓ ⲓⲕⲓ

 ⲃ ⲛⲕⲁⲓⲣⲓⲣⲓ

5 ⲁ ⲃⲓⲣⲗⲟ ⲁⲩⲁⲓⲁⲓ

 ⲁⲓⲣⲁ ⲃ ⲁⲗⲓⲣⲓ

 ⲃⲕ ⲙⲃⲕⲓⲛⲟⲩⲁⲓ

 ⲕⲕⲁⲓⲣⲁⲓ

17. ⲙⲃⲕ

1 ⲛⲓⲕⲓⲣⲓ ⲕⲓⲣⲓⲛⲓ ⲁⲓⲣⲁ

 ⲃ ⲛⲕⲁⲓⲣⲓⲣⲓ

▷ ወረካ <የቡዕ
የሥ ሙ<"ፈገግ"

2 ፈፈራ ሃ ስህግግግ
ሃፅ ሥ ሙገግ
ፅዋ ለፈገግግ
ሥ ሃገግግግ

3 ስህግግግ ሥ ሥፈገግግ
ፅ ስህግግግግግግ
ሥ ሥ ለፈገግግግግግ
ሃፅ ለፈገግግግግግግ

18. ሙገግ

1 ፈገግ ሙገግግግግግ
ፈገግግግ ሃፅ
ስህግግግ ሃፅገግግግግ
ሃ ሥፈገግግግግግ

2 ከሥላሴ ከ ሥላሴ ስላሴ

ሰላሴ ስላሴ

ሥላሴ ስላሴ

ከ ስላሴ

3 ሥላሴ ከ ሥላሴ

ሥላሴ

ሥላሴ

ሥላሴ

4 ከሥላሴ ከ ሥላሴ

ሥላሴ

ሥላሴ

ሥላሴ

19. ስላሴ

1 ሥላሴ ስላሴ

ሥላሴ

የ ለገቢዎቻችን

$\nabla \rho \cdot \sigma^{||} \triangleright \zeta^x$

2 $\sigma^{\prime} \triangleleft \cdot \dot{\cup} \Gamma^{\prime \prime} \triangleright \Delta \cdot \sigma^x$

$\nabla \cdot \mathbf{u} = 0$

Ἰβ ρϣϩ.ⲛⲓⲛⲁⲩ

9 D"r <^Λ5^x

3. $\Delta \Gamma \Delta \cdot \nabla \cdot \nabla \cdot \nabla \cdot$

ГЛБГ Δρ^x

יִזְרָאֵל ד' פד' (11)

▽ ◁.△.⋈⋈⋈

20. σ -b \perp \mathcal{D}

1. $\int_V \nabla \cdot \mathbf{F} \, dV = \int_{\partial V} \mathbf{F} \cdot \mathbf{n} \, dA$

$$\dot{b} \rho'' \sigma > \dot{c} \dot{L} q'$$

ᠮᠤᠩᠭᠡ ᠶ᠋ᠢᠨᠬᠡᠲᠦᠨᠪᠣᠳᠤᠯᠤᠰᠤ

V Δ·γ▽·ο Δℓℓ

(27)

ԼԴԴԴԴ^x

ԼԴԴԴԴ^x Լ ԴԴԴ

2 ԲԴԴԴ ԲԴԴԴԴ

ԲԴԴԴԴԴ ԲԴԴԴԴ

ԴԴԴ Բ ԼԴԴԴԴ

Բ ԲԴԴ ԴԴԴԴԴԴԴԴ

ԴԴԴԴԴ

ԲԴԴԴԴ Դ ԴԴԴԴԴԴ

3 ԴԴԴԴԴԴ ԴԴԴԴԴԴ

ԴԴԴ ԴԴԴ ԴԴԴԴ

ԴԴԴ Բ ԲԴԴ ԴԴԴԴԴ

ԴԴԴԴԴԴ ԴԴԴԴԴ

ԴԴԴԴԴԴ

ԴԴԴԴԴԴԴԴԴԴ

4 ԴԴԴԴԴԴԴԴԴԴ ԴԴԴԴԴԴ

ԴԴԴԴԴԴԴԴ ԴԴԴԴԴԴ

ḅḥṛḥḥ ṽḤṛḥḥḥḥ

ḅḤ ḥṛḥḥḥḥḥḥ

Ḥṛḥḥḥḥḥ

Ḥḥḥ Ḥ ḥḥḥḥ

21. ḥḥḥḥ

1 ḅḥṛḥḥ ḥḥḥḥ ḥḥḥḥḥ

Ḥḥḥḥḥḥḥḥḥḥḥḥ

ṛḤ ḥḥḥḥḥḥḥḥḥ

ḥḥ Ḥḥḥḥḥḥḥḥḥ

2 ḥḥḥḥḥ ṛḥḥḥḥḥ

ḥḥ ḥḥ ṛḥḥḥḥḥḥḥḥ

ḥḥḥḥḥ ṛḥḥḥḥḥḥḥḥ

ḥḥ ḥḥḥḥḥḥḥḥḥḥḥ

3 Ḥḥḥḥḥḥ ḥḥḥ ḥḥḥḥḥḥḥḥḥḥ

ṛḤ ḥḥḥḥḥḥḥḥḥḥḥ

ᄡᄢᄢᄢᄢᄢ ᄡᄢᄢᄢᄢᄢ

ᄡ ᄡᄢ ᄡᄢᄢᄢᄢ

4 ᄡᄢ ᄢ ᄡᄢᄢᄢᄢᄢ

ᄡᄢ ᄢ ᄡᄢᄢᄢᄢᄢ

ᄡᄢ ᄡᄢᄢᄢᄢᄢᄢ

ᄢᄢᄢ ᄡᄢᄢᄢᄢᄢ

22. ᄡᄢᄢ

1 ᄡᄢᄢᄢᄢᄢᄢᄢ ᄡᄢᄢᄢᄢ

ᄡᄢᄢᄢ ᄡ ᄡᄢᄢᄢᄢᄢ

ᄡᄢ ᄢ ᄡᄢᄢᄢᄢᄢ

ᄡᄢ ᄡ ᄡᄢᄢᄢᄢ

ᄡᄢᄢᄢ

ᄡᄢ ᄡᄢᄢᄢᄢᄢ

2 ᄡᄢ ᄡᄢᄢᄢᄢᄢᄢ ᄡᄢᄢ

ᄡ ᄡᄢᄢᄢᄢᄢᄢᄢᄢ

(30)

Ṗḥ ḅ ḁḥḤḡḥḥ

Ḥḥ ḥḅḥḥḥḥḥḥ

ḤḤḥḥḥḥ

Ḥḥḥ ḡ ṖḥḤḥḥ

3 Ḥḥḥ Ḥḥḥḥḥḥḥḥḥ

ḥḥḥḥḥ ḅ ḥḥḥḥḥ

ḡḥḥḥḥ ḅḥḥḥḥḥḥ

ḥḥ Ṗḥ ḥḥḥḥḥ

Ḥḥ Ḥḥ

Ṗ ḅ ḥḥḥḥḥḥḥ

23. ḥḥḥḥ

1 ḥḥḥḥḥ ḤḤḥḥḥḥḥ

ḅ ḥḥḥḥḥḥḥḥḥḥ

Ṗḥḥḥḥ Ḥ ḁḥḥḥ ḥḥḥ

ḥḥ ḅ Ṗḥ ḅḥḥḥḥḥḥ

2 የኢትዮጵያ ፌዴራላዊ ዲሞክራሲያዊ ሪፐብሊክ
 ፌዴራል ጠቅላይ ሚኒስትር
 ምኒልክ ገብረ ሚካኤል
 ለ ሚኒስትር ጥቅም ሲሆን

3 ρ'' σΛ° ρC ρ<''Δ^x
 Δσ''Δ Lρ''ρΔ·e
 ▽b Δ·↳ b ρ'' ρC^x
 Lb ▽ ργΔ·ρρ'

4. $L \Gamma'' \dot{L} \dot{\bar{C}} \dot{L}$ ከፃ.
 $\dot{b} \Delta' \dot{L} p'' \Delta d \times$
 $\nabla \Delta' < P \cap \sigma'$
 $P(\sigma > ^\wedge) \dot{L} d \times$

24. σ -b \perp \mathcal{P}

1 ḥv. ḥṇ. ḥḏ.
ḡ ḡḡḡḡḡ

$\Delta_a \triangleright L^{II} \cap \Delta \cdot a$

6 > 0.7" (1.1")

2 ▽ LΓ↵U"▽^bδ'

Δ' Δ^α V₂ L Δ^α

Prd^x Γ_q ∇ ▷^{||} r

[illegible]

3 Γα β ρηλρρ'

Δ.ο. Γ.Α.Π.

▽ $V \dot{L} < \dot{L}'$ 成立

74U"Δ^bδ'

25. $\sigma_b \perp \rho$

1 $\Delta \nabla \cdot \underline{a}$ $\rho r d^x$ $\nabla \dot{z}$

i Δ^V P J C Δ.

$\rho \leq \Delta d \triangleright L\sigma)$

6 PNLPOΔ.5)

2. $\alpha L \Delta \cdot \gamma \Gamma \alpha d \zeta$
 $\Delta^{\alpha} p^{\alpha} \sigma \Delta^{\alpha} (U \alpha \dot{L} \circ$
 $p \zeta L \Gamma \gamma) (\Delta \cdot$
 $p \gamma \wedge d p \gamma \Delta \cdot \eta$
3. $(\dot{V} \cdot \Delta \gamma p^{\alpha} \eta \eta \eta :$
 $p \zeta \dot{\alpha} \zeta \sigma L \sigma) \zeta$
 $p^{\alpha} \eta p \gamma d^{\alpha} \nabla d U$
 $\zeta L \Gamma^{\alpha} \eta L \cdot \dot{b} p q$
4. $\sigma b L \Gamma \gamma) (\Delta \cdot \circ$
 $q \Delta^{\alpha} d \wedge \dot{L} \eta \gamma \dot{\gamma}$
 $\wedge \alpha^{\alpha} p \zeta p^{\alpha} \triangleright \eta^{\alpha} \zeta$
 $\cdot (\dot{V} \cdot \Gamma \gamma \cdot \alpha \cdot \Delta \cdot \sigma^{\alpha}$

26. $\sigma_b \perp \rho$

- 1 Γ^αΔ ρ^α γ^α Γ_α
ρ^α ρ_γ·Π_γ°

- Δσ"Δ ΡΥΛσ)
▷ δρζ ρζ"
- 2 Ρ β·(ΡρΔ·σαο
Δ'ΛΓ^x ▷Π"Π'
Γα ΡΥΔ·ΠρΔ·
ρ" ∨ Δ)"(Δ'
3 Δ'Λ β" Δ·σ)(L^x
▽ ρ" Γρ"ζ^x
ΡC ββ·(Ρ"ζ^x
βΡγ Δ'δU^x
4 ρζ" ρ" ∨ρ αζ"ζ'
LρΔ"ΠΔ·α
Δ'ΛΓ^x ρ"ρρρδ^x
C ρ" Δ)"U^x
5 ζV· ΡΥΔ·ΠρΔ·
Ρ α δ"ζ·δαο

(35)

▽ PNL Pə d ʔ^x

▽ʔ ʔ·σ"NL^x

27. σb ʔ

1 ▷ PʔLσ) Pʔʔ

LʔΔ"NL·ə

ʔʔbLσ σ U"Δə^x

ʔ·ʔΔ·▽·ʔə

2 ʔ·" ʔNL ʔ·σʔə"ʔ

ʔʔʔ·"("Δə^x

ʔNL ʔʔ)""Δə^x

ʔʔ·ʔʔ ʔʔbə

3 ʔʔ σʔ"bLΔ·ə^x

ʔ Δ·ʔ"Δ)ʔ^x

Δʔʔʔ^x ▽ Δ)Uʔ^x

ʔ Δ·ʔΔ·)ʔ^x

28. σβJ

- 1 ρϣ ρΠΛϣΓ
 ▽ ρΠΛρϣ
 ḅρϑ σ' ḅḅ.Ḳ
 ρϣ< ρϣ ḅΠḅ
- 2 ρ Δ. ḅ.<"ΠϣΠḅ
 ▽ ḅḅ Δ. ḅρ"Δḅ^x
 ḅρΔ. ḅρ"Δ▽.Δ.
 ρḅḅ ḅΛ' Λ'ḅΓḅ
- 3 ▽ḅ.ḅ ▽ Δρ Γḅ
 ρḅ ρ ḅρ"Δ▽.Δ.
 σ' ḅ"ḅ"ḅ^x <ρΠḅ
 ḅρϑ ΛΛΠρΔ.
- 4 ▽ <ρΠρ' Δρḅḅ
 Δρḅ^x ḅρ"Δ▽.Δ.

σ' Δ''Ι''Δ^x ρ'' <''ρ''Π^x
 ρ< b c b''δU°

29. σ b J

- 1 ḥV. σ ρ'' L ḤΓΔ.
 ▽ b ▽ ρ'' ḥV''(L)
 ▽ ρ Π L q Γ'
 ρ^h Δ Λ L ρ'' Δ ▽°
- 2 ḥV. ρ'' L^h b Δ° σ U''
 J^h ▽ Δ c V''(L)
 ▽ ρ'' Δ ρ Π L'' Δ''
 σ^h ▽ Δ° Λ L ρ'' Δ'
- 3 Δ''> a Δ°^h q'' ρ Δ.
 ▽ Δ^h L ρ'' Π Δ° a
 b ρ'' Δ'' ρ b° c ρ'' c'
 Γ^h Π Δ^x ▽ ρ^h c° b'' Δ''

4. $\wedge d \triangleleft \neg \neg \sigma \triangleleft \cdot$
 $\nabla \cap < " \Delta q \neg (L \triangleleft \cdot)$
 $p \supset \neg d \supset \cdot \dot{L} b$
 $b " p \supset \cdot p \subset \ddot{c} \supset x$

5 ▽ḅΔ.↳ ḱḡ.ḂḶ
 ṖḱḶ ▽Δ.↳ ḱḂṖ
 σ Δ.ḱḂΔ.ḱ ḱḂ.ḱḂḱḂḱḂ
 ḅṖḡ ḱ ḶḶḶḶḶḶ

30. ॐ

1 σ ρ γ λ σ)^c
 ρ α β γ δ ε ζ η θ
 α λ σ ρ γ λ σ)^c
 ρ α β γ δ ε ζ η θ

2 ρ Δ·γ̇₁γ̇₂Δ·γ̇₃
 σ Δ·γ̇₁γ̇₂Δ·γ̇₃

ḥV. Ḳb ḤḤ.Ḥ
ḤḤ ḥ Ḥ.ḤḤ.Ḥ

3 ḤḤ ḤḤ.Ḥ ḤḤ
ḤḤḤ.Ḥ ḤḤḤḤḤ
ḥV. ḤḤ.Ḥ ḤḤḤḤḤ
ḥ ḤḤ.ḤḤḤḤ

4 Ḥ ḤḤḤ.ḤḤḤḤ
Ḥ ḤḤ.ḤḤḤ
ḤḤ Ḥ ḤḤ.ḤḤḤ
Ḥ ḤḤ ḤḤḤ

31. ḤḤḤ

1 ḤḤ ḤḤ ḤḤḤḤḤ
ḤḤḤḤ ḥ ḤḤ ḤḤḤḤ
ḤḤ ḤḤ Ḥ ḤḤḤ
ḤḤ Ḥ ḤḤ ḤḤḤḤḤ

2 ር") ስ ሸጊ.ቡረሶ
ፕፈሀ ዞ" ልጋ"ሀፈ.
ፕፈ.ፈ ለፈ ገጥፌፌ
ፈሀ ዞ ሸጊ.ጉጋጋ^x

3 ዞፌ.ጥ ሸ' ፈገ ፌጋፌ
ፈፌ ፕፌ ፕ ሸጊፌ
፸ ዞ" ፌፌ.ገጉጋጋ
ፈገገ ፕ ሸጊጉጋጋፌ

4 ፕ ፈገ ፌፌገገፌ
ፈገገ ፸ ስፈገገፌፌ
ገገ ፸ ፕገገ ፕ ፈሀ.
ፈገገ ፸ ፈገ ገጥፌፌ

5 ፕፌ. ፸ ሸጊገገፌ
ገገ X ፕ ፈ. ፈገገ
ፕ ፈገ ሸጊጉጋጋፌ
ፕገገ.ጉ ፕ ዞ" ስገገፌ

32. ሙጋ

- 1 ስህ. ገጽ ልገገገ
ልገገገ ልገገገ
ግገ ልገገ ልገገገ
ገገ ገገገ
- 2 ልገገ ገገ ሙገ
ልገገ ልገገገ
ሙገ ልገገ ልገገገ
ልገገ ልገገገ
- 3 ልገገገ ልገገ ልገገ
ልገገ ልገገ ልገገ
ገገ ልገገ ልገገገ
ልገገ ልገገገ
- 4 ልገገ ልገገ ልገገገ
ገገ ልገገገ

ρ ἰθ. ᾤΔ. σ_αο

ῖ Δ"ῖ δ"ῖ(L^x .

5 ρ^Λ σῖ(Δ. αL^x .

ΔL Γ^Δ Δ"ρ

ḃ"ρ_Λ ἰθ. ᾤΔ.

ḃ ∇. Λ. ῖ(α_α

33. σḃ. ᾤ

1 ρ_Λ ῖ ὀVᾤ(L^Δ

ρ_ΔΔ. ὀῖΔ.

ἰLΔ. ḃ"ῖΔ. ᾤ

ḃ_αΔ. <Γ_α

2 ρ_Λ Λδ ΔῖΔ. ᾤ

Δὀσ_α ρῖ^c

ρC ḃ_α∇. ᾤΓ^x

C"ῖ. ∇ ρῖḃ

3 𐌱𐌹𐌹 𐌱𐌶𐌰.𐌵𐌹𐌳.
 𐌸 𐌵𐌹(𐌶.𐌱𐌹𐌹)
 𐌺𐌲: 𐌶.𐌹𐌹 𐌺𐌱𐌹𐌰𐌶^x
 𐌱𐌸 𐌺𐌹𐌰𐌶^x

4 𐌵(𐌸 𐌱𐌹 𐌺𐌹𐌰𐌶^x
 𐌸 𐌹𐌰𐌳𐌰^x 𐌳𐌹𐌹
 𐌱𐌶𐌰 𐌰𐌹𐌹 𐌳𐌹𐌰𐌳𐌰^x
 𐌺𐌶𐌰.𐌵𐌹𐌶

5 𐌲 𐌲𐌰𐌵𐌹𐌶 𐌰𐌹𐌰^x
 𐌰𐌶𐌰 𐌸 𐌹𐌰𐌳𐌰^x
 𐌲𐌱𐌺 𐌵𐌶𐌵𐌹𐌳.
 𐌹 𐌱𐌱𐌶𐌰𐌶^x

34. 𐌸𐌲𐌶

1 𐌳 𐌹𐌶 X 𐌳𐌵𐌸𐌰.
 𐌳𐌵𐌸𐌰 𐌱𐌶𐌰

$P \rightarrow \neg \wedge L R'' \Delta \dot{\phi}$
 $96 \dot{\Delta} \cdot \cap R \dot{\Delta}$

2 ΔΔ.α ρ ΛΓρζ^x
 · ρ ΔΠσδζ^x
 ρζ VΛΓ''ΔΔ.ζ
 σ' Δ^VΔ_Δζ

3 $\nabla d\tau \dot{b} \rho'' \Delta U \cdot \dot{\gamma}$
 $\nabla \cdot \nabla \omega \Gamma \dot{\gamma}^x$
 $\rho^{\wedge} \dot{\gamma} \triangle \Delta \cdot \dot{\gamma} \dot{\omega} \tau \tau$
 $\sigma \dot{b} \wedge \dot{L} \rho'' \triangle \circ$

4 $\nabla b \cdot \dot{L} b \sigma U'' \Delta \dot{z}^x$
 $\sigma J^r (\Delta \cdot \sigma \dot{z}^j)$
 $p \dot{z}^c \dot{y} \dot{L} \cdot \triangleright \cap \sigma \dot{z}^j$
 $r \wedge \dot{L} p'' \Delta \dot{z}^x$

35. σβJᵑ

- 1 Ḳ∇.Ṗ"Ḳḏḥ° ∆_α
Lṙ Ḍṙḡ.∆.ᵑ
∇Ḕ Ḕ ḡᵑ"Ḳ^x Γ_α
∇Ḕ Ḕ Γ∇Γ'
- 2 Ḳ∇.Ṗ"Ḳḏḥ° ∆_α
Γṙ ᵑΓṖ'
∇Ḕ Ḕ ∆.ḡḏ' Γ_α
∇Ḕ ᵑᵑ"Ḳḏ'
- 3 ṙḡḲ ḡḡḌ- Ḳṙ"Ḳ°
Γḏ ∆ḡΓ∆.ᵑ
Ḳṙ ḲΓ)ᵑṖ"Ḳ^c
ḏḡḏ∇.∆.ḡ
- 4 ḲḌḏ- ∇ ∆ḥ ∆ḡ'
∇ Γḏḥ' ΓḡḲ'

(46)

ṖṚḶḶ ṢḶḶ Ḷ ṖḶḶ
ḶḶḶ ḶḶḶḶḶḶḶḶ

5 ḶḶḶ ḶḶḶḶ ḶḶḶ
ṖḶḶḶḶ ḶḶḶḶḶ

ḶḶḶḶḶḶḶḶ ḶḶḶḶḶḶḶḶ
ḶḶ ḶḶ ḶḶḶḶḶḶḶḶ

6 ṖḶḶ ḶḶ ḶḶḶḶḶ
ḶḶḶ ḶḶḶḶḶḶḶḶḶ

ḶḶ ḶḶ ḶḶḶḶḶḶḶḶḶ
ḶḶ ḶḶḶḶḶḶḶḶḶḶḶ

36. ṢḶḶḶ

1 ṖḶḶ ḶḶ ḶḶḶḶḶḶḶḶḶ
ṖḶḶḶḶḶḶḶḶḶḶḶḶḶḶḶ

Ḷ ḶḶ ḶḶḶḶḶḶḶḶḶḶḶ
ṖḶḶḶḶḶḶḶḶḶḶḶḶḶḶḶ

- 2 ∇ dṛb·L"ṛ"ḥḏ
σ Lṛ"ḠΔ·፩
b"ṛḥ፩ ልጥ፩LΔ·
∇ ṛ ḥṛ"Δḥ፩
- 3 ḠḥḥḠḥḥ"Ḡ ሀΔ·
∇ ṛḠḥḥḥ፩
∇ Δṛ ሔΔ·ṛ፩
V LḥḥΔ·ṛ"Δ፩
- 4 ḐL ḥ ሔ፩·^x σḥ፩
Δ·ḥḡḥ"Ḡ፩
Ḡḥ፩ ṛVḥ"Ḡ፩Δ·
Ḡ፩ ል·σḥ፩σ፩
- 5 σḠΔ· ḐḠ"Ḡ፩
ṛ፩^c σ b V"፩፩
Ḡḥ፩ Δḥ፩·፩- ṛḠ ṛ"
LḠṛ፩፩፩

37. σbJp

- 1 ḥV. Δh Γh.Γa.
p' ΔhΓΔ.a
bā() dLΓΔ.Δ.
qqpΓdh
- 2 aL σ p'qā"Uā.
c"o Γp"n^x
▷ ΔbUaLΔ.ā.
pJ Lp"nΔ.
- 3 ▽b c ḤhΓc^x
ba▽.Γā.
Jh' pC ap'cL^x
qb: ▽ Ḥh^x
- 4 ▽dΓ c") p'bo
q aā'dΓc^x

(49)

P b₂ ∇ · ṙ Γ ∇ · Δ ·

σ' Δ[~] V ṙ J ḡ ·

—

38. σ b J ·

1 ṙ[~] Δ · ṙ ṙ Δ · Δ[~] ḡ ḡ b ·

ḡ U ∇ · ḡ ḡ b ḡ ḡ

Δ L b (Δ · ṙ ṙ Δ ·

ḡ ḡ ḡ ḡ ḡ ḡ

2 Δ ḡ Δ ṙ Γ ṙ Δ · σ_x

ḡ ḡ ḡ ḡ ḡ ḡ

∇ b · ḡ b X Δ Γ ḡ ḡ

ḡ ḡ ḡ ḡ ḡ ḡ

3 ∇ b · σ < Δ · ḡ ḡ Δ ·

Δ' Δ ḡ Δ · σ ḡ

ḡ ḡ ḡ ḡ ḡ ḡ

∇ Δ ḡ ḡ Δ · ḡ

D

4 aL qb: p·cīd·

bpg p'bo

b p" σ>^cīd'p'

bq∇·p'Γb·

5 bc <<^j"i"Δb·

Γq·p'jΔ·σ^x

▷"p'bq·^Δ·Γq

bc ▷nqL·

—

39. XL^ σbJ'

1 L" ∇p'qΔ· σbJΔ·

∇ p" qd'p' p'p'

Lσ) Γq Δpσ

▷)UΓΓ)Δ·

2 LL"i'd'p' ∇b·

b"p'p' Δpσn'

(51)

Δ·ρ''Δ''ḃ·ḃ ρρδ^x

ḃ Δ''ρ σḃ⌋ρ'

3 αḃḃḃ ρ''ρ ρρ'

ρḃ ⋈Δ''ρΔ∇·

ḃδρ' ΔρσΔ·

ρ''ḃ·ḃ (Δ·σ'ḃḃ·

4 Δ'ρḃ ḃḃ Δ·γΔ·ḃ·

ḃ ΔḃΔ·<Γḃ^x

σ<'ḃ σ ሀ''Δḃ^x

ḃ''ρḃḃ ሀ''ρḃḃΔ·

—

40. ∇ Δ'⋈ρρḃΔ· ρρḃ·

1 ρḃ X ρ'' Δ·σ'ḃḃ

∇ḃ· ΓḃΔ·ḃ·

ρρδ^x ḃ Δḃḃ·

Γḃ ḃ''ρḃḃ Δ'ρ^x

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2 ሥ ልከ፡ ሥ ል፡ሙከራ
 ሙሉል፡ ከሥራ
 ሥ ልከ፡ ሥ ል ልከ፡ሙከራ
 ከሥራ ሙሉል፡

3 ል፡ ከ ልከ፡ሙከራ
 ሙሉል፡ ከሥራ
 ሥ ል ልከ፡ሙከራ
 ከሥራ ሙሉል፡

4 ሥ ልከ፡ ሥ ል፡ሙከራ
 ሙሉል፡ ከሥራ
 ሥ ል ልከ፡ሙከራ
 ከሥራ ሙሉል፡

41. ሥ ልከ፡ሙከራ

1 ሥ ል ልከ፡ሙከራ
 ከሥራ ሙሉል፡

(53)

የ' Δ' Δ' Δ' Δ' Δ' Δ'

Δ' Δ' Δ' Δ' Δ' Δ'

2 Δ' Δ' Δ' Δ' Δ' Δ'

X Δ' Δ' Δ' Δ' Δ' Δ'

Δ' Δ' Δ' Δ' Δ' Δ'

Δ' Δ' Δ' Δ' Δ' Δ'

3 Δ' Δ' Δ' Δ' Δ' Δ'

Δ' Δ' Δ' Δ' Δ' Δ'

Δ' Δ' Δ' Δ' Δ' Δ'

Δ' Δ' Δ' Δ' Δ' Δ'

4 Δ' Δ' Δ' Δ' Δ' Δ'

Δ' Δ' Δ' Δ' Δ' Δ'

Δ' Δ' Δ' Δ' Δ' Δ'

Δ' Δ' Δ' Δ' Δ' Δ'

—

42. $\sqrt{b''} \triangleleft \sqrt{c''} \Delta \cdot$

- 1 ρΠΛρḡ.ḡ
 ΔΛΛρ''Δ∇.
 Δ''>''ρḡ ΔΔ.ρḡ
 ρḡΔ.)(∇.
 2 ∇ḡ. Δρ^x Δḡ'
 Δ ρ'' (ḡḡ.
 ρ'' ρ''ρ Γ.)(∇.
 ∇ ρ'' ḡ.Δḡ'
 3 Δ ρḡ ΔΠσ'
 (ḡ) ḡ ∇ρ''ρ'
 (∇. Γ. Δ(ρΓ'
 ΛΛρ''Δ' Γ.
 4 σ ∇ρḡ.ḡ.
 ΔΛρ(Δ.ρḡ

▷ X ሥጥ ኣጥ.ጽጥ
ለጥጥጥ ጥጥ

43. ሥጥ ልጥጥጥ.ጥጥ

- 1 ሥጥጥ ▷ ጥ ጥ
ጥ ልጥጥ ልጥጥጥ.ጥጥ
ጥጥጥ ጥ ጥ ጥጥጥጥ.
ጥጥጥ ጥ ልጥጥጥ
2 ጥጥ ጥ ጥ ልጥጥጥ
ጥጥ ጥጥጥጥ
ጥጥጥ ጥ ጥ ጥጥጥጥ.
ጥጥጥ ጥ ልጥጥጥ
3 ልጥጥጥጥጥጥጥ
X ▷ ጥጥጥጥጥጥጥ.ጥጥ
ጥጥ ጥጥጥጥጥጥ
ጥጥ ጥጥ ጥጥጥጥ

4 ▷ ሆኔ ከሆዳ"ል
 ርህ. ሊሊ"ሮደል
 ለሊሆ"ል ካገ.ታገ
 ሆ ልታሙሊ ▷ ሆኖ

5 ሆኔ ልታሙሊል.ፊ
 ርህ. ሆ በለ)(ሊ^x
 ሆሪ ሆ" ህ"ከበሆኔ^x
 ገዳ ሆ ገጽ"ከፊ^x

44. ሆ"ሆ ልሆ"ሮ.ል.

1 ▷ ከ በህታ"ሆገኔ
 ሙ ል. ከሆሆሆፊ
 ከ ልሆ ከሆ"ልገ.ኔ
 ደ"ሆ ሙ>"ሊል.ኔ

2 ሆ ገ"ደ ከ ሆዳሊ
 ሙ ከ ል" ህ"ሆ"ልደፊ

PC Δb.α"▷d^zx
P b.γ^oρ^oζ^oΠ^oΔ.^o
3 b ρ^o b^oβ^o.ρ^oζ^oγ^o
σ U^oΔ^oα V^oρ^oζ^o
L^oρ^oΠ^oΔ.^o b d^zb.^x
b^oρ^oγ^o Γ^oα ▷Π^oα
4 ▽b^oΔ.^oγ^o b L^oγ^oζ^ox
σ b ΠV^oρ^oΓ^od^z
σ U^oΔ^oα^x <ρ^oΠ^oα
P Γ^oγ^o.ρ^oJ^oΔ^o▽.Δ.^o

45. ρ^oρ^o Δ^oρ^oζ^o.Δ.^o

1 b ρ^o Δ^oρ^o ρ^oρ^oΓ^oγ^o
▽ <U^oρ^oΓ^oγ^oζ^o
σ Δ.^o bγ.^o Π^oΛ^oγ^oU^o
PC ρ^oρ^oρ^oγ^oζ^o

2 ρ₅₀ ḅ ρ¹¹ ΛdαΓ^x
 σ ḅ Δ· Δ̇<ρ¹¹Δḋ
 ▷L Γα Γσ¹¹ḅ·ḅ̇
 ρC ρ¹¹ρ₇Δ̇Ċ

3 ∇ ḲΓ)ḡḡ¹¹(Ḳ̇
 ḅ ρ¹¹ σ>¹¹CLΔ·ḡ̇
 ρ₄ ḡΛḲ¹¹Δ∇·ċ
 ρ Δ· ρ¹¹ρ₇Δ̇Ċ

4 ∇¹¹ ∇¹¹ḅ· ΛḲ₇ḡ̇
 σ ḅ Δ· ĊV· Ḳ¹¹Ċ
 ρ ρ¹¹ρ Ḳ¹¹Δ∇·Δ·
 ρC ρ¹¹ρ₇Δ̇Ċ

5 Δ¹¹Λ Ḳḅ αCḲḡ
 ΔC ρC αḅCḲ̇
 ḅ¹¹ρ₅₀ Δ¹¹ρ^x ḅ Δ̇ḡ̇
 ∇ḅ· ρ¹¹ρ₇Δ̇Ċ

46. $\dot{\Delta} \dot{\Gamma} \dot{\Gamma}'' \Delta \Delta \dot{\Gamma}$

- 1 $b \zeta L \Gamma'' \dot{\Gamma} \circ \nabla b \cdot$
 $\rho L \sigma \Gamma \alpha \circ$
 $\triangleright L \rho'' \dot{\Gamma} \Delta \dot{\Gamma}'' \dot{\Gamma} \cdot \Delta \dot{\Gamma}$
 $\nabla \dot{\Delta} \cdot <'' \cap \dot{\Gamma} \zeta^x$
- 2 $\dot{b} \rho'' \dot{\Delta} \dot{\Gamma} \zeta \dot{L} \dot{\Gamma} \dot{\Gamma}^x$
 $\Gamma \dot{\Gamma} \dot{\Gamma} \dot{\Gamma}'' \dot{\Gamma}'' \dot{\Gamma}$
 $\rho \zeta \Delta \cdot \dot{\Delta} \dot{\Gamma} \dot{\Gamma}'' \dot{\Gamma} \dot{\Gamma}^x$
 $\dot{\Gamma}'' \dot{\Gamma} \dot{\Delta} \cdot \dot{\Gamma} \dot{\Gamma} \alpha \circ$
- 3 $L \dot{\Gamma} \Delta \dot{\Gamma}'' \dot{\Gamma} \dot{\Gamma} \Delta \cdot \alpha$
 $\rho \zeta \nabla \cdot \wedge \alpha L^x$
 $L \dot{\Gamma} \dot{\Delta} \dot{b} \dot{\Delta} \cdot \zeta \dot{\Gamma} \Delta \dot{\Gamma}$
 $\rho \zeta \dot{\Delta} \dot{\Gamma} \dot{\Gamma}'' \zeta L^x$
- 4 $\Gamma \dot{\Gamma} \nabla \cdot \dot{\Delta} \dot{\Gamma} \Gamma'' \dot{\Delta} \Delta \dot{\Gamma}$
 $\rho \zeta \dot{\Gamma} \dot{\Gamma}'' \zeta L^x$

(60)

ΓΓ∇. ΛΛΠΓΔ.

ΡC Δ. ΔΛΛ^x

5 ΓΓΓαΛ.Γ Δ.Λ

ΔΛΓ∇.Δ.α

Δ." Δ(Λ.Γ) ΔΓδ^x

9 ΛΛΠΓΛ^x

47. ∇α"Δσ"Γ' ΔσΛΔ.

1 ċ^x b LΔ."b(Γ)δ

Ρ ΔUΓαΔ.

ΓΓ' b Ρ" V αΔΛ'

ΡC Δ.ΓΔ.δ'

2 ċ"Ρ Γα σΛΔ.

b, ΓΡ"ΔδΛ^x

∇Δ.9.Γ. ΔL ΓΓ'

Δ αΔ"9Δ.

- 3 ḥ^x ḡ₂ ḥ^{||}ḡ^b
ḥ ḡ^{||}ḡ^b
ḡ^b ḡ^x ḡ^b ḡ^b
ḥ ḡ^{||} ḡ^{||}ḡ^b
4 ḡ^b ḡ^{||} ḡ^{||}ḡ^b ḡ^b
ḡ₂ ḡ^b ḡ^b
ḡ ḡ^{||} ḡ^bḡ^b
ḡ^bḡ^x ḡ^b
5 ḡ^b ḡ^b ḡ^b ḡ^b
ḡ^bḡ^b ḡ^b
ḡ^bḡ^b ḡ^bḡ^b
ḡ^bḡ^b ḡ^b
-

48. ḡ ḡ^{||}ḡ^{||}ḡ^b ḡ^bḡ^b

- 1 ḡ^{||} ḡ^bḡ^b ḡ^b
ḥ ḡ^b ḡ^b

$\dot{c}^{\wedge}-\Gamma \leq \sigma'' b U \Delta .$

$\nabla \Gamma \leq \sigma \wedge \Gamma'$

2. $\Gamma \vdash \Delta \cap \sigma \vee \Delta'$

Γε Διπλ.

611P50 Lr 96.5

▽ 26(ΓΔ')

3 ከጥራት ለጥራት ለጥራት

▷C q bCL.1

$L_{\sigma} \triangleleft \nabla \dot{g}(\tau)$

ገ ልጋጌፈፈ፡ገ፡

49. $\nabla \alpha'' \Delta \sigma'' \beta' \triangleright \sigma \wedge \triangleleft \cdot$

$$1 \nabla \dot{\Delta} \cdot \nabla (L^x \sigma \wedge \Delta \cdot)$$

ᐱᓂᐅ ᑲᑭᓪᓴ

σ₁ σ₂ σ₃

PC abcLp Δnp

2 Δ^αΛ ΔL σ 4^α4Δ^α

ḡ Δ^α ḡV. ḡ4Δ^x

ΔN PΛ^αΓ<Δ^α

σΛΔ^α σ b ΔN^αU

3 σ b αbU^α b^αPΛ^α

ΔC ḡ P^α ḡP^αḡ^α

P C Δ^αN^αΔ^αΔ^αΔ^α

Δα 9 Δ^αΔ^αΔ^α

4 σ b Γ ḡb V^αCΔ^α

P C Δ^αΔ^α Δ^αΔ^αU

LΓ Δ^αḡ^αb. Δ^αΔ^α

αḡ^αbUΔ^αΔ^ασ^x

5 αΔ^α ΔN^αCΔ^α Δ^αC

ḡ ḡV. P^αḡ^αΔ^α

Δ^α Δ^αΔ^αΔ^α P^αΔ^α

ḡP9 Γ 4.Δ^αΔ^α

50. ▽ ▽↳Γ"▽Ρζḅ

- 1 Ρ' ▽)⁹Δ·σḁ▽
▽ḅ· ρḽᶜ ▽·Λḁ"Ḳ'
ρḽ ḅ Δ·"ḲḲḁ↳
▽ḅ· ḅḡ· ▽Ḳḁ"Ḳ'
- 2 Ρ σḽ"ḅḲḡΔ·ḁ
Ḳ"Ρ σ ḅ ḲΓḽḁḽ
Ḳḽ σ ḅ ḲḂ·"Ḳḁḽ
Ρ ρ"ḽ ḽḽ"Δ▽·Δ·ḽ
- 3 ΛḲσ ρ" ▽·Ḳ"ḲḲḽ
▽ḁ" ρ ḽḽ"Δ▽·Δ·ḽ
ḅ"ḽḽ σ Ḳḽ"ḲΔ·ḽ
▽ >ḁḽ"ḲΔ·ḽḽ
- 4 ḲḂ· ρ ρḂḂ·Ḳḽḽ
▽ḅ ▽ ρḽḂ·"ΔḲḽ

(65)

▽b· Ĭb σ· Δ· ãU³
b p" Δr(LΔ·L³

51. ΔΔ·r r σbJ³

1 r~ Γ·p·JΔ·³
Δ·"L° Δr p x

▷b ãN r Δ·³

▽ ΔL r³

Ĭ" b σbJ r³

▽ Γ·"Ĭd r r³

▷^Ĭ r r³ Δ▽·°

LΓ" r Ĭ°

2 V ãC J³ ▷L

Γ· Δr p

Ĭ° x b ΔL r³

▽ V" ▷r³

E

ᎡᎠᎵ 9 ᎠᎵᎠ

ᎠᎵᎠ ᎠᎵᎠ ᎠᎵᎠ

Ꭰ ᎠᎵᎠ ᎠᎵᎠ

Ꭱ ᎠᎵᎠᎠ

3 ᎠᎵᎠᎠ ᎡᎠᎵ

Ꭰ ᎠᎵᎠᎠ

ᎠᎵᎠ ᎡᎠᎵᎠ

ᎡᎠᎵᎠᎠ

ᎠᎵᎠᎠ ᎠᎵᎠ

ᎡᎠ ᎡᎠ ᎡᎠᎵᎠᎠ

ᎡᎠᎵᎠ Ꭰ ᎠᎵᎠ

ᎡᎠᎵᎠᎠ

52. ᎡᎠᎵᎠ ᎡᎠᎵᎠ

1 ᎡᎠᎵ ᎡᎠ ᎡᎠᎵᎠᎠ

ᎡᎠᎵᎠ ᎡᎠᎵᎠᎠ

(67)

መኖር ዋር ልደግጋለን

ከ ልደግጋለን

የኢትዮጵያ ልደግጋለን

ዋር ዋር ልደግጋለን

ገጽ ዋር ልደግጋለን

ገጽ ዋር ልደግጋለን

2 ልደግጋለን ልደግጋለን

መኖር ልደግጋለን

ልደግጋለን መኖር ልደግጋለን

ልደግጋለን መኖር ልደግጋለን

መኖር ልደግጋለን

የኢትዮጵያ ልደግጋለን

መኖር ልደግጋለን

ልደግጋለን መኖር ልደግጋለን

3 መኖር ልደግጋለን

ልደግጋለን መኖር ልደግጋለን

(68)

ḲḲ ḠḠḠ ḠḠḠḠ
ḠḠ ḠḠḠḠḠ
ḠḠ ḠḠ ḠḠḠ
Ḡ ḠḠ ḠḠḠ
ḠḠḠḠ Ḡ ḠḠḠḠḠ
(ḠḠḠḠḠḠḠḠḠḠ

4 ḠḠḠ ḲḲ ḠḠḠḠ
Ḡ Ḡ ḠḠḠḠḠ
ḠḠḠ ḠḠ ḠḠḠḠḠḠ
Ḡ ḠḠḠḠḠḠḠ
ḠḠ ḠḠḠḠḠḠḠḠḠḠ
ḠḠ ḠḠ ḠḠḠḠ
ḠḠ ḠḠ ḠḠḠḠḠḠ
ḠḠḠḠḠḠḠḠḠḠḠḠ

(69)

53. $\sigma b \downarrow^p$

1 $p \downarrow \dot{\Delta} \cdot \sigma L \sigma)^c$

$p \downarrow \dot{\Delta} \cdot p \downarrow$

$\nabla \dot{\Delta} \dot{\Delta} \Delta \Gamma L^x$

$\nabla \cdot \wedge \sigma d \downarrow^p$

$p \downarrow^c \sigma \sigma b \downarrow^p$

$p \downarrow \dot{\Delta} \cdot \sigma L \sigma)^c$

$p \downarrow \dot{\Delta} \cdot p \downarrow$

2 $\nabla \Delta \cdot \sigma \downarrow \sigma \downarrow^p$

$< \wedge p \downarrow \downarrow^p$

$\nabla \cap \wedge \wedge p \wedge b \downarrow^p$

$\sigma' \Delta \Delta \cdot \wedge^p$

$\sigma b \Delta \dot{\Delta} < \wedge \wedge \wedge^p$

$\nabla \vee \dot{\Delta} \cdot < \Gamma \dot{\Delta}^p$

$p \downarrow \dot{\Delta} \cdot \sigma L \sigma)^c$

$p \downarrow \dot{\Delta} \cdot p \downarrow$

(70)

8 ρῑ^c σ Ἐῑῑῑ

bC ῑῑῑ

ρῑῑ^x ∇ Δῑ

<ῑῑῑῑ

∇ῑῑῑῑ Δῑῑῑ^x

ρῑῑῑῑῑῑῑῑ

ρῑῑῑῑ σ Lσῑ^c

ρῑῑῑῑ ρῑ

4 ∇ῑ σ<ῑῑῑ

ρῑ Γῑ

ρ ῑῑῑῑῑῑ

Vῑῑῑῑῑῑ

∇ ῑῑῑῑῑῑ

ρ Vῑῑῑῑῑῑ

ρῑῑῑῑ σ Lσῑ^c

ρῑῑῑῑ ρῑ

5 ▽ Γ↳Δ̇.ር̇↳
 ԲԴ Δ̇Բ
 σ Δ̇.σԲԴԲԴ
 ΔL ΔԲ
 Բ̇↳ σ σbJ
 ▽ΔN Δ̇Ṅ
 ԲԴΔ̇. σ Lσ)̇
 ԲԴΔ̇. Բ↳

54. σbJ

1 ՇV. Բ Δ̇.ԴԴN
 Բ↳ Δ̇Λ̇Բ̇Δ̇.̇
 b ԲԴԴ̇CJ̇Δ̇↳
 ▽ ԲṄԲΔ̇.↳
 Բ Δ̇.ԴԴN
 b Բ̇ V Λ̇Բ̇Δ̇↳

Ṗ Ṗ" ṖṛṖṣ"ḐḐḐḐ.

ṖḐ Ṗ" ṖṛṖḐḐḐ

Ṗ ḐḐḐḐḐ

Ḑ Ṗ" Ḑ ḐḐḐḐḐ

2 Ṗ <ṖḐḐḐḐḐ

ṖḐ ṖṛṖṣ"ḐḐḐḐ

ḐḐ Ḑ Ḑ ḐḐḐḐ

ṖḐ ḐḐḐḐḐḐ

3 ḐḐ. Ḑ Ḑ Ḑ ḐḐḐ

ḐḐ Ḑ ḐḐḐḐḐ

ḐḐḐḐḐ Ḑ Ḑ ḐḐ

ḐḐ Ḑ <ṖḐḐḐ

4 ḐḐ ḐḐḐḐḐḐ

ḐḐḐḐ ḐḐḐḐḐ

ḐḐḐḐḐ Ḑ ḐḐḐḐ

ḐḐ ḐḐ Ḑ ḐḐḐḐ

55. σβJ'p

1 V Δ)U' b"pL° nL V·U'CT'
V Δ·<Γ^x ΔΛL'ΔΔ·°
ΔP'Pσ^x P" ΔP σ"Δ·P°
Δb· LΓ"PL'

PL' X

2 C'V· Lσ) C'V· LσC^x Δ"r
Δb b ΔCΔ·PΓdL^x
P" ΔdP° PC ΛL'ΔΔdL^x
Δb· LΓ"PL'

PL' X

3 σβJ' PΔΔ·° ΔΛL'ΔΔ·
ΓΔ ΔP'PΔ' P"r P'P^x
LΓ"PL^x LΔ·- ΔV'P"ΔdP'
Δb· LΓ"PL'

PL' X

4 ሲሊል. ሙታሪረብ.ሮ ሶካ
 ሲሊል. ስ በሃቶሪጋጽ
 ላቶሪሪሙጽ ሶግ ልሪ ሙሽረል.ሶ. .
 ሃብ. ሊገግሪረ
 ሶካ X

56. ሙታ

1 ልሽረብ. ሃ ሪግ.ሶ ላሪ
 ላሽረብ. ሃ ልሽሪ ሶ ላሽረብ.ሃ
 ልሽረል.ሃ ሃሽሪ ሃሽሪ
 ሃ ስ.ሪሪሽረ.ረጽ ልሽረል.
 ሃሽሪ ላሽሪ
 ስ ላሽረል.ሃ ሃ ላሽሪ
 ሃሽሪ ላሽሪ
 ስ ላሽረል.ሃ ሃ

2 b Δ·f σbJLαΔ·
 Δ·ḃ ΓΔ·P·Jf
 αL Δ·ḃ- Γα ∇dU
 P b αḃḃU·Jα°

3 ḋΔ·α° Δ^ΛΓ^ ∇ḃ
 ḃPq b LΓ̇ḟLα°
 ▷ PΔ·PΔ· ∇ḃ
 Δḃ- Γḃ- Γα <ṖL

57. σβλ'

1 p b a p b a a p
 a b p x a b p x
 a b p a b p x
 a b p a b p x
 a b p a b p x
 a b p a b p x
 a b p a b p x
 a b p a b p x

ρ b αρ^ρβ)α° ρ

ΔβΓ^x σ>Δ·σ^x

2 ρ b αρ^ρβ)α° ρ

ρ^{||} ΔΠ^{||} C^{||} ΔL^{||} d

ΔσL Γ< b<Δ·

∇β q αb(L^x

3 ρ b αρ^ρβ)α° ρ

Lσ) Δ^{||} C^{||} Δ·σ^x

Lσ) Δρ^{||} ρba

q L^ρβ^ρΔ^{||} Λρ^{||} α^x

4 ΔC C^{||} V· σbΔ·

∇q·β^{||} q V^{||} C^{||} L^x

∇ LLΔ·^{||} C^{||} dρ^{||} ρ^{||}

β ρ^{||} ΛLρ^{||} Δ^{||} ρ^{||}

5 b αρ^ρβΔ·αΔ· ρ

β ρ^{||} Δ·σ^{||} Δ^{||} β^{||} d^{||}

(77)

b a)''(ḏ·aḏ·i r
Γa ḏ·<'')ḏ''d

6 p b a p b ḏ·a° r
X ḏ^Λ ḏ''Δ ∇·°
p b p^q ḏ·a° r
V a)Γ ḏ''d

58. σ b J

1 ḏ^ḏ^Λ ∇^ Δ^Λ Γ^
b Γ^·ḏ·(b·
Γ)ḏ''(ḏ·σ
ḏ^pḏ· σ U''
aL σ p^q ḏ''U
Γ^·ḏ·Δ·a
Γa p''ḏ·Δ·Δ·
b ḏ·ḏ^bḏ·

2 $\sigma < \Delta \cdot \Delta \cdot \dot{\Delta} \cdot \dot{\Delta} \cdot \sigma^x$
 $\nabla a \sigma b \cdot \Gamma$
 $\dot{\Delta} \cdot \dot{\Delta} \cdot b \cdot L \cdot \nabla \cdot \Gamma \cdot \Delta \cdot \dot{\Delta} \cdot$
 $\Delta \cdot \Gamma \cdot a \cdot \dot{\Delta} \cdot b \cdot a \cdot$
 $\dot{b} \cdot \cap \vee \cdot \Gamma \cdot \Delta \cdot \Gamma$
 $\Gamma \cdot \dot{b} \cdot a \cdot L \cdot b \cdot \dot{\Delta} \cdot$
 $\Delta \cdot \Delta \cdot \dot{\Delta} \cdot \Delta \cdot \sigma \cdot \dot{\Delta} \cdot \dot{\Delta} \cdot$
 $\Gamma \cdot \dot{\Delta} \cdot \Gamma \cdot \sigma \cdot \Delta \cdot$

3 ∇dC aLΔ.↳
 9b: ◁.ä"Δ∇.o
 V"Ċb.σ b.┘Δ.σ
 ĊV. 7◁"Ċb.x
 C") b ħd"Ċ.ρ
 ∇dC ḃp9
 ∇b. ◁.∧^ρ"▷◁.
 Γ4.ρ┘Δ.σ^x

59. σβϰ

1 ϰϰ (Δ·γΔ·
ḃ ḡνρḡḡḡḡḡ
▽Δ·δ ḠḠḡḡΔ·
▽ḃ ϰ>Lḃ^x
▷(Δ·ζ Δḡρ^x
αL σ Δ·<ḡḡḡḡ
(ḡ) ḡḠḡḡḡ ▽ρ▽·^x
ρḡΔ· ḡḡḡḡḡ

2 ḡḡ ϰ' ΔḡḡΔ·
ΔḡḠḡ^x ḃ Δḡ·
Δḡḡḡ σ (ν·ḡḡḡΔ·
Δ·<ḡḡḡḡḡ

3 (ν· ϰ Δḡḡḡḡ^x
σ ϰḡ(ν·ḡḡḡḡḡ

▷ 𐌱𐌵.𐌶𐌰.𐌵𐌰.𐌸𐌰.𐌰

▷ 𐌲𐌰.𐌰𐌰.𐌰𐌰.𐌰𐌰

4 𐌰𐌰 𐌰 𐌰.𐌰𐌰

𐌰 𐌰𐌰.𐌰𐌰.𐌰𐌰

𐌰𐌰 𐌰𐌰.𐌰𐌰.𐌰𐌰

𐌰𐌰 𐌰𐌰 𐌰𐌰.𐌰𐌰

60. 𐌰𐌰.𐌰𐌰

1 𐌰𐌰.𐌰𐌰.𐌰𐌰

𐌰𐌰.𐌰𐌰.𐌰𐌰

𐌰 𐌰𐌰.𐌰𐌰 𐌰𐌰

𐌰𐌰.𐌰𐌰.𐌰𐌰

X 𐌰.𐌰 𐌰𐌰 𐌰𐌰.𐌰𐌰

𐌰 𐌰𐌰.𐌰𐌰.𐌰𐌰

𐌰𐌰: 𐌰 𐌰𐌰.𐌰𐌰

𐌰 𐌰.𐌰𐌰.𐌰𐌰

2 bC C<PΔ.
ḃ dʳċʹʹΔ.
PʹʹPʳCʹʹ Δ̇ b
Λ̇L̇NʳΔ.
bC Δ. Vʹʹċb.
▽ σbʹʹʹx
▽ LΓʹʹʹLʹʹx
ḃ Δ̇ĊL̇Ċx

3 P ΛʹʹʹUΔ.
ΔC Δ.ʳċʹʹΔ.
ḃ Pʹʹ ΛʹʹʹUʹʹ
V̇L̇ʹʹʹΔʹʹʹ
P Δ.ʳdΔ.
ΓΔ bʹʹʹPΔ.
ḊċVʹʹʹCʹʹΔ.
ΓʳΔ.ʳbΓʹ

4 ለፊ ዓፄ: ፈር

ር ሙሀርዖ

ፊ ልርሻ ሆኖ

ፊዖ ልኔ

ለፊሆልፍል

ፊ ሆ ሆሻ

ልፊ ዓ ልሆል

ፊ ልፊ

5 ሆሆሆ ፊ

ፊ ልፊ

ልሆሆ

ፊፊ

ፊፊ

ፊፊ

ልፊፊ

ልፊፊ

61. σβϰ.

1 β σ > Ϟ L Δ · ϰ
ρ β α Ϟ Ϟ Ϟ
ρ ϰ ϰ ϰ ϰ Ϟ
σ β ϰ Ϟ Ϟ σ Ϟ
σ L Ϟ Δ Ϟ Ϟ Δ · α
Ϟ ∇ · Λ σ β U ϰ

2 α L σ β β Ϟ Ϟ Ϟ
ρ ϰ Ϟ Ϟ Ϟ ∇ · Δ · Ϟ
ρ Ϟ Ϟ Λ Ϟ Ϟ L
σ Ϟ Ϟ Λ Ϟ Ϟ ∇ Ϟ
ρ Ϟ Λ Ϟ ϰ β Ϟ
ρ Ϟ < Δ Ϟ Ϟ L Δ · Ϟ

3 L Ϟ β : σ ϰ ϰ
σ Δ · Ϟ Ϟ L Ϟ Ϟ

ḡ ṛ" ḡ(ḤḌ.ḡ)
▽ σ>ḡ(ḤḌ.ḡ)
▷ ▷ΛḤṛ"Ḍ▽.°
V"ṛ"Ḍ ḤḤṛ"Ḍ

4 ▽ ḡḡ.ΛḤḤḡḡḡ
Γα αb(Ḥ)
ḌḡΛ αṛḡḡ(ḡ)
Ḍḡḡ.ḡ- ṛḡḡḡ
ḡ σ>ḡ(ḤḌ.ḡ)
ṛ ḡ αḤḤḡḡḡ

62. σḡḤḡ

1 ṛḡḡ ṛ αḡΓḡα°
▽ ḡḡ.ḡḡḡḡḡḡ^x
Ḥḡ ṛḡḡ V ḌU.°
▽ḡ V ḤḤḤḡḡḡ

- 2 $\Delta < \gamma \zeta \Delta \cdot \rho'' \vee'' \zeta \Delta \cdot \Delta \cdot$
 $\nabla \gamma \dot{b} \cdot \Delta \gamma \dot{b} \gamma \dot{r}$
 $\rho'' \alpha b \zeta L \cdot \dot{b}'' \rho \gamma \circ$
 $\rho \zeta \wedge \Gamma \cap \dot{\gamma} \dot{\Delta} \cdot \dot{r}$
- 3 $\rho \dot{\gamma} \rho \alpha \gamma \Gamma d \alpha \circ$
 $\nabla \gamma \dot{b} \cdot \dot{b} \rho'' \rho \gamma \gamma \times$
 $\Delta \cdot \gamma \rho \vee \Delta \cap d \alpha \circ$
 $\alpha \dot{\Delta} \cdot \sigma \gamma \dot{\gamma} \rho'' \Delta \gamma \circ$
- 4 $\nabla \gamma \dot{b} \cdot \Gamma \gamma \dot{\Delta} \cdot \zeta L \times$
 $\Gamma \alpha \nabla \dot{\Delta} \gamma \Gamma \gamma \times$
 $\gamma \dot{\gamma} \wedge \gamma \Delta \cdot \gamma \dot{b} \Delta U \cdot$
 $\rho \dot{\gamma} \sigma \gamma \vee \dot{\gamma} \rho'' \Delta \cdot$
- 5 $\rho \dot{\gamma} \rho \alpha \gamma \Gamma d \alpha \circ$
 $\wedge \zeta \sigma \dot{L} b \vee'' \zeta \Delta \cdot \times$
 $\rho U'' \Delta \alpha \dot{\Delta} \cdot \Gamma \dot{\gamma} \gamma \times$
 $\dot{\zeta} \vee \cdot \rho \zeta \dot{\gamma} \rho'' \dot{\Delta} \gamma \times$

63. σβⲓ

- 1 96: ∇"ⲥⲁⲗⲃ^x
ⲥⲁⲓ ⲓⲕⲁ X
Δⲣⲱⲛⲓ ⲕ"ⲓⲃ"Δ^x
ⲕ"ⲓ ⲣ Ⲥ"Δⲥ^x
- 2 ⲥⲁⲓ ⲥ ⲥⲕ"ⲃⲁ'
ⲥ"ⲥ Δⲣⲱⲛⲓ
ⲃ ⲕ"ⲓⲃⲱⲛⲓⲕⲁⲛⲃⲱ
ⲕⲓⲕⲱⲛⲓⲥ
- 3 ⲥⲁⲓ ⲣⲥ Δⲱⲓⲥ'
ⲃ ⲛⲕⲱⲣⲱⲣ'
ⲕⲁ ⲥ ⲥⲱⲤⲱⲕⲱⲥ'
ⲛⲃ ⲃ ⲥⲱⲕⲱⲣ'
- 4 ⲥⲁⲓ ⲕⲁ ⲥ ⲕⲣ'
ⲕⲁ ⲥⲓⲕⲱⲕⲱⲥ

(87)

PC PNLqL'

qNLpL'

5 ▷ P σbJ'Nq'

b NVLΓ^x

P LΓ''Γb. Γq

b''P^o ▽Γ^xΔ'

64. σbJ'

1 σΛ^o Δq b ħP''Δ'

Δσ''Δ ΓNpL'

Δ'P qqa.Γ<P^o

b''PNLΛ''b^o Δ'ΛΓ^x

2 Δ'ΓN' ΔPσN'

PC Γ>σP''Γ'

▷ P''Γ ħP''Δ▽.Δ.Δ.

Δq b σ>ΓL^x

- 3 ῀ ῀ ῀ ῀ ῀ ῀ ῀ ῀ ῀ ῀
 ῀ ῀ ῀ ῀ ῀ ῀ ῀ ῀
 ῀ ῀ ῀ ῀ ῀ ῀ ῀ ῀
 ῀ ῀ ῀ ῀ ῀ ῀ ῀ ῀
4 ῀ ῀ ῀ ῀ ῀ ῀ ῀ ῀
 ῀ ῀ ῀ ῀ ῀ ῀ ῀ ῀
 ῀ ῀ ῀ ῀ ῀ ῀ ῀ ῀
 ῀ ῀ ῀ ῀ ῀ ῀ ῀ ῀
5 ῀ ῀ ῀ ῀ ῀ ῀ ῀ ῀
 ῀ ῀ ῀ ῀ ῀ ῀ ῀ ῀
 ῀ ῀ ῀ ῀ ῀ ῀ ῀ ῀
 ῀ ῀ ῀ ῀ ῀ ῀ ῀ ῀
-

65. ῀ ῀ ῀

- 1 ῀ ῀ ῀ ῀ ῀ ῀ ῀ ῀
 ῀ ῀ ῀ ῀ ῀ ῀ ῀ ῀

$\sigma \triangle \cdot \Delta \cdot \gamma \rho \omega$
 $\omega \Gamma \omega \beta \sigma \wedge \circ$
 $\beta \rho \gamma \subset \wedge \bar{L} \cap \gamma \circ$
 $\Gamma \omega \rho \omega \triangle \gamma \bar{L} \gamma \circ$
 $\beta \omega \rho \omega \subset \wedge \bar{L} \rho \omega \triangle \gamma$
 $\triangle \sigma \omega \Delta \gamma \bar{C} \gamma \omega \bar{C} \gamma$

2 p p''r ΔpLΓa°
 Δa b σ>^C(LC^x
 p ba ∇·pΓda°
 p' ΔLΓ^C(Lda°
 p b Δ·<''n pda°
 p''r p r d^x Γba°
 p p n L p a da°

$\rho \Delta \cdot \wedge \dot{L} \rho'' \Delta d_{\alpha} \circ$
 3 $\triangleright ! b \subset \Delta \cdot \vee'' \dot{C} b \cdot \alpha \cdot$
 $\rho \sigma b \perp \Delta \cdot \sigma \alpha \triangleleft$

ር ሊገዝድ፤ ልዩ
ዋዊ ዋዊ፤ ልዩ
፤ ልዩ፤ ልዩ
፤ ልዩ፤ ልዩ
፤ ልዩ፤ ልዩ
፤ ልዩ፤ ልዩ

66. ልዩ

- 1 ፤ ልዩ፤ ልዩ
፤ ልዩ፤ ልዩ
፤ ልዩ፤ ልዩ
፤ ልዩ፤ ልዩ
- 2 ፤ ልዩ፤ ልዩ
፤ ልዩ፤ ልዩ
፤ ልዩ፤ ልዩ
፤ ልዩ፤ ልዩ

3 ḥV.Δ.ḡ ḏ.Ḑ"Ḥḥḡḡ
σ U"Δḡ^x <PḤḡ
bq.ḡ<ḥḥ"ḐΔ.ḡ
(bḡḡ.ḥḐḐḡ^x

4 ▷ Δḡ"Ḑ"Δḡḡ ΔḐ
σ LσḡḐḡḡ ḡḡḡ
ḡḐḐ 9 ḐḐ.Ḑḡ^x
Ḑḡ 9 ḐḐ.ḥḐḡ^x

67. σbḐḡ.

1 ▷! ḡ σ"ḐΔ.Ḑ"Ḑḡḡ
ḐḡḐ.ḐḐΔ.ḡ
ḐσḥḐ^x ḐḐ"Ḑḡḡ
Ḑ LḐḡ"Δbḡḡ

2 ▷Ḑ 9ḐḐḐḐḐ
Ḑḡ Ḑ" ḐḡḐḐḐ



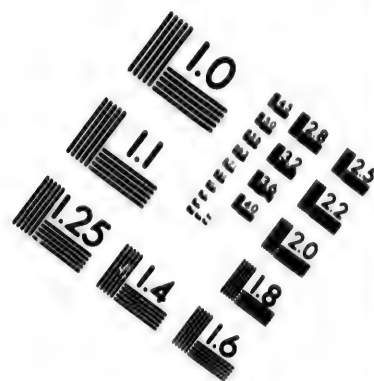
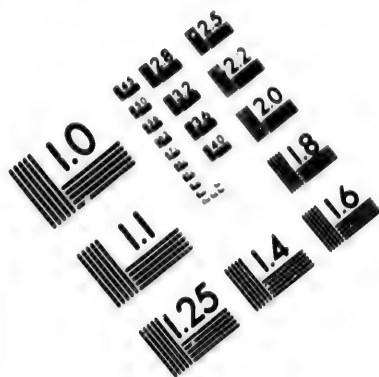
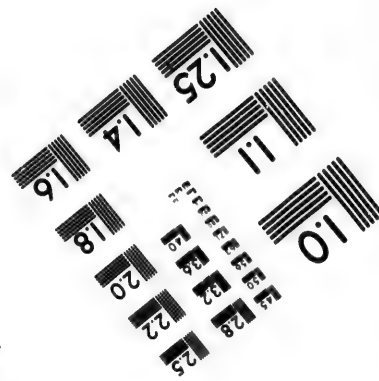
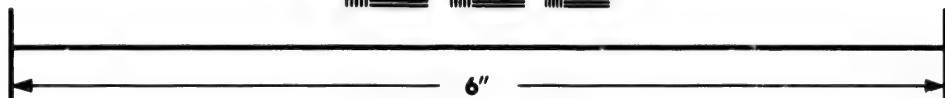
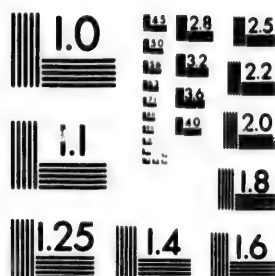


IMAGE EVALUATION TEST TARGET (MT-3)



**Photographic
Sciences
Corporation**

23 WEST MAIN STREET
WEBSTER, N.Y. 14580
(716) 872-4503

0
E 28
E 32
E 22
E 20
18
16

11
01
11
01

(92)

▽.↵ΠΔ.ḡ ▽ḡ
ḡ↵Δ.ḡ(ḡḡḡ

3 ▷ ḡ ḡ ḡḡḡḡḡḡ
ḡḡḡḡ ḡ ▷ḡḡ
ḡḡḡḡḡḡ ḡḡḡ
(ḡḡḡḡḡḡ

4 ▷! ḡḡḡḡḡḡḡḡḡ
ḡḡ ḡ ḡḡḡḡḡḡ
ḡ ḡḡ ḡḡḡḡḡḡḡ
ḡḡḡḡḡḡḡḡḡḡ

68. ḡḡḡḡ

1 ḡḡ: ḡ ḡḡḡḡḡḡḡ
ḡ ▷ḡḡḡḡḡḡ
(ḡḡḡḡḡḡḡḡḡ
▽ ḡ ḡḡḡḡḡḡḡḡḡ

2 ρ ΓϷ Δ↳ΓΔ·σ^x

Λρ_α"ΔḡU^o

ρ ḡḡΓ 99^oΔ·

9 Δ·Γ"ΔδΓ^o

3 ▷! Δρḡḡḡ ḡΛ^oδ-

Γ"ḡρ9^o Λρ^c

σ^c σ Δ·^oU_αḡδ^o

▽ ∩Λ^oρρ↳^o

4 ḡV· σ Ϸḡ^oḡ"Δδ^o

▽ Δ·^oḡḡδ↳^o

Γ ḡḡ·ḡḡ^o ḡ"ρ↳^o

σ ΛΓ"∩Δ·_α

5 σ Λσ)^c σ ḡρ"ḡ^o

ρ ḡ9^oΔ·_α

αL 9ḡ: ΔΔ·ρΓ

σ Ϸ^c▽·ρ"U^o

69. σbJ'

- 1 ▷! ǎN^x VĬR''Δ∇.
P↳Δ̇.◦ Γ̇σρ<
P Δ. ∇.↵Nρ''ΔδΔ̇.◦
ĊV. Γ_a b^ρ''Ċ◦
bC)C^c
∇ḃ Δ.↳ ĩq.ρJ'
- 2 Pρ< Ĭb V ǎN^x
ḃ PŊĬPρ<
Δ_a ḃ N Vρ''ρq'
Pc ĩ∇.ρΓU'
Γ_a Pc
LΓ''ρΓ' Lσ)
- 3 ∇ḃΔ.↳ ΔUρΓ^x
aL σ b ĩρ''Δ'

(95)

ρ b ΔηαLdΔ.ο

ρ b Ḳρ"ΔdΔ.ο

ρ" (dρ)

ρC ^Lρ"ΔC^x

4 ▷! ḲΓ)⊖ρ"ḲL.^x

b ρ" b b.)ρ"Ḳ'

V"ḲL.^x b Δρ UV.'

▽ σ>^ḲLdΔ'

ρ" ρρ"Ḳο

▷! ρΔ< ḲV."Ḳ^x

70. σbJρ.

1 αL σ b ⊖VΔ.ρ)

ρC ΔρJL'

Γα ρC ρρUΔL'

σ ρ"ρ▷ρL^c

2 𐌹𐌺𐌰 𐌸 𐌱𐌴𐌹𐌳𐌹𐌺𐌰
 𐌱 𐌱𐌴𐌹𐌳𐌹𐌺𐌰
 𐌱' 𐌳𐌹𐌸𐌴𐌹𐌺𐌰𐌹𐌺𐌰𐌹
 𐌸 𐌺 𐌳𐌹𐌺𐌰𐌹

3 𐌲𐌴𐌸𐌰 𐌹𐌺𐌰𐌹𐌺𐌰𐌹
 𐌳 𐌱𐌴𐌹 𐌳𐌹𐌺𐌰𐌹
 𐌸 𐌹𐌺𐌰 𐌺𐌹𐌺𐌰𐌹𐌺𐌰𐌹
 𐌳 𐌲𐌴𐌹𐌺𐌰𐌹𐌺𐌰𐌹

4 𐌲𐌴𐌸𐌰 𐌹𐌺𐌰 𐌹𐌺𐌰𐌹𐌺𐌰𐌹
 𐌳𐌹𐌺𐌰𐌹 𐌳𐌹𐌺𐌰𐌹
 𐌳𐌹𐌺𐌰𐌹𐌺𐌰𐌹 𐌳𐌹𐌺𐌰𐌹𐌺𐌰𐌹
 𐌸 𐌺 𐌳𐌹𐌺𐌰𐌹

71. 𐌸𐌺𐌰

1 𐌲𐌹𐌺 𐌸 𐌹𐌺𐌰𐌹𐌺𐌰𐌹
 𐌸 𐌹𐌺𐌰𐌹𐌺𐌰𐌹 𐌳𐌹𐌺𐌰𐌹

σ' Δ'V P J U' L b
b' Δ L Δ' R L X

2 b L σ P'' Δ U P'' U'
σ b L δ Δ L N R'
Δ' Δ Γ^x σ b Δ'' C'
∇ Γ Δ Δ L N R L'

3 ∇ b L b σ ∇ Δ δ
Δ L Δ U P'' C J Δ'
σ > R R' L b R L'
Δ b L P C N R Δ'

4 Δ' Δ L b Δ C L δ
Δ L σ b L q P J'
P C Δ'' N b Δ' b Δ'
V Δ L Δ Δ' R ∇ R

—

72. σβJ'.

- 1 ḅ ḏḡḃḡ.ḡ ṖḡḤσ)
ḏḡJΓ^x Ṗ' ḏṖḤΓḏ.ḡ
ḅ ḠḂḡ"Ṗḡ' Γḡḡ.ḡḃΓ'
Γ_ḡ ḏḡḤΓ^x ḏḤḡḏ.ḏ.σ^x
- 2 ṖḡḤσ) ḏ. ḤḤṖ"ḡḡ
ḃ"Ṗḡḡ ḡḡḂḡJ)ḏḡ'
ḏḂ. Ḥḃ ḃḤ ḏ. ḡḡḡḏΓ'
ḏσ"ḏ ḤḤḏḤḡḡḤḏḡ'
- 3 ḏ! ḡḏḡ ḃ"Ṗḡḡ ḡḡḢḏḡ
ḃḤ ṖḡḤḡḏḡ.ḡ Ṗḡḡ
ḅ σḡḡḤḤ^x Ṗ ḏ"ḤσḤ^x
Ṗ"Ṗḡḡḡ^x ḏṖḤḏ.ḏ.σ^x
- 4 ḤΓ"ṖḤḤ ḃ.ḡḡ ḡḤḡḡ
ḡḡḡḏḤḡḡ, ṖḡḤḡḤḡ

$\Delta_a \dot{L} \Delta \cdot - \dot{b} \rho^{\sim} U \Delta^{\sim} \dot{c} d \rho'$
 $\dot{b} \dot{\Delta} \cdot <^{\sim} \Pi \Delta \nabla \cdot \nabla \dot{z} \rho^{\sim} \Delta c^x$

73. $\sigma b \perp$

- 1 $\alpha^{\circ} \delta \bar{L}(\cdot L \sigma)$
 $\alpha^{\circ} \wedge - 9 \gamma \bar{d} \cdot \bar{n} \gamma'$
 $\triangleright \rho \gamma \bar{d} \cdot \bar{n} \gamma \Delta \cdot \gamma$
 $\bar{b} \rho \gamma \nabla \bar{d} \bar{L} \gamma'$
- 2 $\triangleright \rho \gamma \bar{b} \bar{n} \gamma \Delta \cdot \sigma^x$
 $\bar{d} \gamma \rho \gamma \circ \rho'' \triangleright \rho \gamma \bar{L} \gamma \circ$
 $\triangleright \rho \gamma \bar{d} \cdot \bar{n} \gamma \Delta \cdot \gamma$
 $\bar{b} \rho \gamma \nabla \bar{d} \bar{L} \gamma'$
- 3 $\Delta \cdot \gamma \triangleright \rho \gamma \bar{L} \gamma \nabla \cdot \circ$
 $(\gamma) \vee \bar{L} \bar{n} \gamma \gamma'$
 $\triangleright \rho \gamma \bar{d} \cdot \bar{n} \gamma \Delta \cdot \gamma$
 $\bar{b} \rho \gamma \nabla \bar{d} \bar{L} \gamma'$

σ U^{II}Δ^x ΔC ∇ Δⁱ
Γ^{II}Γ' LΓ^{II}ΠΔⁱ

2 Δ^{II}Δ σ Δⁱ·<^{II}Uⁱ
P^UΓΓΔⁱ
q^{II}ΓΔⁱ ΔΓΓ
<^b·ΓΔ∇·Δⁱ

3 Δ Γ^bΔ·Γⁱ
Δ^{II}Δ ħdΓⁱċ
σ U^{II}Δ^x Δ^{II}Γ ∇·Λ_q
bq<ⁱΠΓΔⁱ

4 ΔL)(∇b·
q LΓ^{II}ΓΓċ
P b ħP^{II}ΔΠⁱ Γ_q
P b ċV^{II}ċΠⁱ

75. σβJʹ.

- 1 ἈΛΝΓ° ∇ΛΓʹΔʹ
 ḃ ΔʹΓ ΓΔ.Γʹ(Ḃ)
 ἈΛΝΓ° ḃ Ρʹ σΛʹ
 Jʹ σ β Ν∇ΓΓʹ
- 2 β(ΡʹΥΓʹ(Ḃ)
 ΓΓ σ ΡʹΓΔΡḂ
 (∇. σ LLʹ(Ḃ)
 ḃΡγ ∇ ἈΛΝΓʹ
- 3 β(Γβ.(Γ) σΛ°
 Ρʹ αβ(Ḃ ∇ΓΡ
 ∇Γ∇.ˣ Ḃ β <UL
 σ ΛΔ.ˣ σ β Δ. <Ḃ°
- 4 Γα Ρʹ(Ḃ(∇ ΓΓ°
 σ β Δ.σʹḃσʹ Ḃβ

Ῥ<ῬḅῬḁ^x Ḑ"Ῥ
Ḑḅ. Ῥḁ 9 Ḑ.<Ḑ[']

76. ḥḅḐ.

- 1 Ῥḁ.ῬḐḁ['] ḐḥῬ
ḅ ῬḁῬḐḐῬ[']
ῬḅḐḥḐḁ. Ḑḅ[']
ḅ ḐῬ"ḐḁῬ[']
- 2 Ḑ ḅḁῬ ḐῬḥḐḐ
ḅḐḁ Ῥ" Ḑ.Ῥ"Ḑḁ
Ῥḁḁḁ ḅ Ḑḁḁḁ
ḅ Ῥ" Ḑ"Ḑḁḁ[']
- 3 ḁḁḁḁ ḐḥḐḁḁḁḁ
Ḑ Ḑḁḁḁḁḁḁḁ^x
Ḑḁḁ Ḑ. Ḑ"Ḑḁḁ[']
Ῥ Ῥḁ.ῬḐḁ^x

(104)

4 Δ ! Ḳσ) Δ·ṙ"Δḡ³
ṙḲ Ḳṙ"Δḱ^x
▽ḡ· 9 ḲḞ"ḱ^x
Δ^ΛḞ^x ṙḡḡ^x

77. σḡḲ³.

1 Ḳḡ· ḱ'ḱ"ḡḲḡḲ³
ḡ>^ḲḲΔ·Ḳ³
ṙ ṙḡḡ·ḲḡḲΔ·ḡ
σ ḡ Δ· Ḳṙ"Ḳ³

2 ṙ Δ· Ḳ^VḲḲḱḲ³
ḡṙ9 ḡṙ9
ṙ Ḟḱ)ḱ9Δ·ḡ
σ Δ· ḲḲḲḲ³

3 σ ḡ ^Ḳ"ḱ³ Ḟḡḡ^x
ṙḡḡ^x ▽ḲḲ³

ᄡᄡᄡᄡ ᄡ ᄡ ᄡᄡᄡᄡ
ᄡᄡᄡᄡ ᄡ ᄡᄡᄡᄡ

4 ᄡᄡᄡᄡᄡᄡᄡᄡ
ᄡ ᄡᄡᄡᄡᄡ
ᄡ ᄡ ᄡᄡᄡᄡᄡᄡ X
ᄡᄡ ᄡᄡᄡᄡᄡ

5 ᄡ ᄡ ᄡᄡᄡᄡ ᄡᄡ ᄡᄡᄡᄡ
ᄡ ᄡᄡ ᄡᄡᄡᄡᄡ
ᄡᄡ ᄡᄡᄡᄡᄡᄡᄡᄡ
ᄡ ᄡᄡᄡᄡᄡᄡᄡ

78. ᄡᄡᄡᄡ.

1 ᄡ ! ᄡ ᄡᄡᄡᄡ ᄡᄡᄡᄡ
ᄡ ᄡᄡᄡᄡᄡᄡᄡᄡᄡ
ᄡ ᄡᄡ ᄡᄡᄡᄡᄡᄡᄡᄡ
ᄡ ᄡᄡᄡᄡᄡ ᄡ ᄡᄡᄡᄡ

- 2 ▽dC bC b."dUo
 9 D"r Γ↳Δ̇.Ĉ̇
 ▽ ገፅ. ^J"Ĉ̇
 P Γ↵ Δ↳ΓΔ.α
- 3 ▷! L^bΔ."Ĉ̇ σ U"Δ^x
 b"p↳ b Γ↳.rP
 σ Ĉ̇V.↵P"Ĉ̇JΔ.
 Γα P P"r Ĉ̇V.Δ.
- 4 J^ P^P_Δ"ΔLΔ.
 ▷C PC Ĉ̇V."Ĉ̇
 ▽b. 9 LΓ"rΓĈ̇
 Δ^ΛΓ^x Δ̇.<ΓĈ̇

79. σbJ^

- 1 Δ̇.^b P"r ΔΛΔ.σ^x
 Δ^Λ Γ"r σ<Δ.Δ.

ḅ ṛ" ḶṚ"ḏḏṛ"

▽ ḁḥḅḶṚḏṛ"

2 ḏṛṛ^x ▽ ▽ṛḅ. ḏḶṛ"

ṛ" ḁḥ"ḅḶḥḶḏṛ"

▽ḅ. ▽ ḶḶḏṛḶṛ"

ḏḶḶḏṛḶ ṛḶḶ

3 ḁḶḏḶḶ ḶṚ"ḏṛ"

ḶṚ"ḶḏḶḶ ḏṛ"ḏṛḏḶḶ

ḶḶḏḶḶ ḏṛḶḶḏḶḶ

ḅṛṛḶḶ ṛ" ḁḅḶḶḶ

4 ḅ ṛ" ḥḶḶḏṛ"

ḶḶḶ ḥḅḶḶḶḏṛḶḶ

▽ ṛḶḅḶḶ ▽ ḶḶḶḶḶḶ

ḅṛḶ ḶḶṛḶḶḶḶḶ

5 ṛḶḶḶḶḶḶḶḶ ḏḁ

▷ ḶḶḶ ḅ ṛ" Ḷṛḁ^x

(108)

ρϷ ∧Lρ''Δδ>^x
▽ ρ'' σ>^Cδδ>^x

80. σbJp

- 1 LΓ''ρΓ^x ργLσ)
(") Δ^ρ^x b Δδ>^x
Γ_ ρρδ^x ▽δ>^x
LΓ''ρΓ^x ργLσ)
- 2 LΓ''ρΓ^x ▽.ρ''CΔ.^x
Γ_ ργ^ ▽.δρρ^x
Γ_ ρqδNρ' Δ''δ^x
δLΔ. Vδ>^ LσC

don